

Kobe Sarausad

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[Portfolio](#)

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Education

University of Washington <i>Bachelor of Science in Statistics: Data Science</i> GPA: 3.53/4.00	Seattle, WA	09/2019 - 06/2023
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Relevant Coursework: Data Structures and Algorithms, Foundational Skills for Data Science, Statistical Computing, Data Visualization, Machine Learning, Applied Regression and Analysis of Variance

Experience

MLB <i>Analytics Intern</i>	New York, NY	06/2022 - 08/2022
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- Automated data pulls using R scripts to improve the efficiency of work
- Segmented customers of MLB products using K-prototype in Python to come up with strategies to target certain audiences and groups

University of Washington <i>Data Science Intern</i>	Seattle, WA	09/2022 - Present
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- Created interactive visualizations using D3.js to communicate convoluted data science topics with the Academic Analytics Team (DawgPath)

Seattle Mariners <i>Business Insights Intern</i>	Seattle, WA	11/2022 - Present
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- Worked in Microsoft CRM environment to manage data clarity and cleanliness
- Built interactive dashboards with PowerBI and Shiny to present KPIs and business insights
- Tuned different machine learning models to solve business problems (randomforest, XGBoost, etc..)

Projects

- Polarization of Congress ([R](#))
 - Discovered hidden trends in data using dimension reduction (SVD) on the roll calls of congress
 - Reported results using ggplot and Rmarkdown
- NBA MVP prediction ([R](#), [slides](#))
 - Predicted the NBA MVP combining modeling and sentiment analysis
 - Achieved 77% accuracy throughout the 2010-2022 NBA seasons
 - Presented results through ioslides in Rmarkdown
- American Homelessness ([Vega-Lite](#))
 - Created interactive visualizations using Vega-Lite to present the trends and patterns of homelessness in the United States
- Crime in Seattle - Datathon 2023 ([D3](#))
 - I was tasked with compiling the team's report in an article-style format that included interactive visualizations in D3
 - Analyzed different neural networks to find the most optimal model for the data
- - DataFest 2023 ([R](#))
 - Applied survival analysis and hypothesis testing to back our story
 - Visualized geo-spatial maps to present differences of each state in the US
- *Miscellaneous Data Visualizations* ([Twitter](#), [Observable](#))

Skills

- Software Tools: Rstudio, Terminal, Eclipse, Jupyter Notebook, Virtual Studio Code, Atom, PowerBI, Tableau, GitHub, Microsoft Excel,
- Programming Languages: R, Python, JavaScript, HTML, CSS, Java, Node.js, SQL Server, SQLite
- Languages:
 - English, Japanese (limited working proficiency)